

IMPLEMENTING MQI INDEXED QUEUE SUPPORT USING COUPLING
FACILITY LIST STRUCTURES

5 CROSS REFERENCES TO RELATED PATENT APPLICATIONS

This application claims priority and all other
benefits under 35 U.S.C 120 of prior filed co-pending US
provisional patent application US Serial No. 60/219,889,
filed July 21st 2000, which is incorporated herein by
reference.

This application is related to the subject matter of
the following co-pending patent applications, each of which
is assigned to the same assignee as this application and
each of which is incorporated herein by reference:

D. A. Elko et al., US Serial No. 09/677,339, filed
October 2, 2000, entitled "METHOD AND APPARATUS FOR
PROCESSING A LIST STRUCTURE" ~~(IBM docket #09/200000043)~~;

ME 12/1/05
now US Patent No. 6,963,882

D. A. Elko et al, US Serial No. 09/677,341, filed
October 2, 2000, entitled "METHOD AND APPARATUS FOR
IMPLEMENTING A SHARED MESSAGE QUEUE USING A LIST STRUCTURE"

~~(IBM Docket #09/200000042)~~;

now US Patent No. 6,862,595

ME 12/1/05

P. Kettley et al., US Serial No. 09/605,589, filed June 28, 2000, entitled "METHOD AND APPARATUS FOR OPERATING A COMPUTER SYSTEM TO ENABLE A RESTART" (IBM docket GB920000031);

5 P. Kettley et al., US Serial No. 60/220,685, filed July 25, 2000, entitled "METHOD AND APPARATUS FOR IMPROVING MESSAGE AVAILABILITY IN A SUBSYSTEM WHICH SUPPORTS SHARED MESSAGE QUEUES," ~~(IBM docket GB920000032)~~,

now US PATENT No 6,842,763.

FIELD OF INVENTION

10 The present invention relates, in general, to messaging within a distributed data processing environment and, in particular, to use of indexing for improved message retrieval in such an environment.

BACKGROUND

15 Asynchronous transfer of messages between application programs running on different data processing systems within a network is well known in the art, and is
20 implemented by a number of commercially available message-oriented middleware products. These products include IBM Corporation's MQSeries family of messaging products, which use asynchronous messaging via queues. A sender application program issues a PutMessage command to

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